

MOTOR VEHICLE

Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer PONTIAC MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line FIREBIRD	
Mailing Address ONE PONTIAC PLAZA PONTIAC, MICHIGAN 48053	Issued 9/1/84	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. **UNLESS OTHERWISE INDICATED:**
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

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METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Car Models

Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load—Kilograms (Pounds)
REAR WHEEL DRIVE				
<u>FIREBIRD HATCHBACK COUPE</u>				
FIREBIRD	11/08/84	2FS87	4 (2/2)	45.36 (100.0)
FIREBIRD TRANS AM	11/08/84	2FW87	4 (2/2)	45.36 (100.0)
FIREBIRD SE	11/08/84	2FX87	4 (2/2)	45.36 (100.0)

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Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25° C and 29.61 in. Hg/100 kPa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					E x h a u s t S/D	TRANSMISSION TRANSAXLE		AXLE RATIO (std. first)
	Displ. Liters (in³)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM					
				kW (bhp)	Torque N - m (lb. ft.)				
<u>STANDARD</u>									
FIREBIRD	2.5L (151) L4 LQ9	EFI	9.0:1	66@ 4400 (88@ 4400)	179@ 2800 (132@ 2800)	S	5M 4A-700-R4 (OPTIONAL)	ML3 MD8	3.73/3.70 3.73/3.70 (a)
<u>STANDARD</u>									
FIREBIRD SE	2.8L (173) V6 LB8	MPFI	8.9:1	101@ 5100 (135@ 5100)	223@ 3600 (165@ 3600)	S	5M 4A-700-R4 (OPTIONAL)	MB1 MD8	3.42/3.45 (a) 3.42/3.45 (a)
<u>OPTIONAL</u>									
FIREBIRD									
<u>STANDARD</u>									
FIREBIRD TRANS AM	5.0L (305) V8 LC4	4BBL	9.5:1	116@ 4200 (155@ 4200)	333@ 2000 (245@ 2000)	S	5M 4A-700-R4 (OPTIONAL)	M39 MD8	3.27 3.08
<u>OPTIONAL</u>									
FIREBIRD, FIREBIRD SE									
<u>OPTIONAL</u>									
FIREBIRD TRANS AM	5.0L (305) V8 L69	4BBL	9.5:1	142@ 4800 (190@ 4800)	326@ 3200 (240@ 3200)	D	5M	M39	3.70
<u>OPTIONAL</u>									
FIREBIRD TRANS AM	5.0L (305) V8 LB9	TPFI	9.5:1	154@ 4400 (205@ 4400)	365@ 3200 (270@ 3200)	D	4A-700-R4	MD8	3.27/3.45

(a) LIMITED SLIP ONLY.

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Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	INLINE, FRONT, LONGITUDINAL	60°, V
No. of cylinders	4	6
Bore	101.6 (4.00)	89.0 (3.50)
Stroke	76.2 (3.00)	76.0 (2.99)
Bore spacing (c / l to c / l)	111.8 (4.40)	
Cylinder block material	CAST IRON	
Cylinder block deck height	236.1 (9.30) FROM PAN RAIL	224.0 (8.82)
Deck clearance (minimum) (above or below block)	0.64 (0.025) BELOW	0.62 (0.024) BELOW
Cylinder head material	SWIRL PORT, CAST IRON	
Cylinder head volume (cm ³)	45.62 (2.78)	
Head gasket thickness (compressed)	0.97 (0.038)	0.838 (0.033)
Minimum combustion chamber total volume (cm ³)	70.82 (4.32)	63.417 (3.869) @
Cyl. no. system (front to rear)*	L Bank	1-2-3-4
	R Bank	1-3-5
Firing order	1-3-4-2	2-4-6
Recommended fuel (leaded, unleaded, diesel)	UNLEADED	
Fuel antiknock index (R + M) / 2		
Total dressed engine mass (wt) dry**	171.093 kg (376.0 lbs.)	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	CAST ALUMINUM ALLOY 650.0 (22.93)	ALUMINUM ALLOY
------------------------------------------------	--------------------------------------	----------------

Engine - Camshaft

Location	RIGHT SIDE OF BLOCK	IN BLOCK ABOVE CRANKSHAFT
Material & mass kg (weight, lbs.)	CAST NODULAR IRON	CAST IRON
Drive type	Chain / belt	GEAR
	Width / pitch	CHAIN

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Dressed engine mass (weight) includes the following: OIL AND COOLANT.

@ PISTON AT TDC, SPARK PLUG AND VALVES IN PLACE, AND CYLINDER HEAD TORQUED TO SPECIFICATIONS.

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METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO LG4

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO L69

5.0L V8 (305 CID)
TUNED PORT F.I.
RPO LB9

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)	90°, V, FRONT, LONGITUDINAL	
No. of cylinders	8	
Bore	94.89 (3.74)	
Stroke	88.39 (3.48)	
Bore spacing (c / l to c / l)	111.8 (4.40)	
Cylinder block material	CAST IRON	
Cylinder block deck height	229.2 (9.025)	
Deck clearance (minimum) (above or below block)	0.635 (0.025) BELOW	
Cylinder head material	CAST IRON	
Cylinder head volume (cm³)	NOT APPLICABLE	
Head gasket thickness (compressed)	0.533 (0.021)	
Minimum combustion chamber total volume (cm³)	NOT AVAILABLE	
Cyl. no. system (front to rear)*	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order	1-8-4-3-6-5-7-2	
Recommended fuel (leaded, unleaded, diesel)	UNLEADED	
Fuel antiknock index $\frac{(R + M)}{2}$	87	
Total dressed engine mass (wt) dry**	202.3 kg (446.0 lbs.) AUTO; 226.2 kg (500.0 lbs.) MAN; 202.5 kg (447.0 lbs.) L69	

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	ALUMINUM 502.0 (17.7)
------------------------------------------------	--------------------------

Engine - Camshaft

Location	IN BLOCK ABOVE CRANKSHAFT	
Material & mass kg (weight, lbs.)	CAST IRON 3.969 (8.75) CHAIN	
Drive type	Chain / belt	15.87 mm (0.625) / 12.7 mm (0.50)
	Width / pitch	

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Dressed engine mass (weight) includes the following:

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Model Year **1985**

Issued **9/1/84**

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Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

Engine - Valve System

Hydraulic lifters (std., opt., NA)	STANDARD (ROLLER LIFTER)	
Valves	Number intake / exhaust	4/4
	Head O.D. intake / exhaust	43.69 (1.72)/38.10 (1.50)
		6/6
		43.69 (1.72)/36.20 (1.43)

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	CAST ARMA STEEL	SAE 1037 OR 1038 STEEL/602.0 (21.23)
---------------------------------------	-----------------	--------------------------------------

Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	NODULAR CAST IRON/12.51 (27.52)	NODULAR CAST IRON/14.17 (31.24)
End thrust taken by bearing (no.)	5	3
Number of main bearings	5	4

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	259 (37.5) @ 2000	345-448 (50-65) @ 1200
Type oil intake (floating, stationary)	STATIONARY	
Oil filter system (full flow, part, other)	FULL FLOW	
Capacity of c/case, less filter-refill-L (qt.)	2.8 (3.0)	3.8 (4.0)

Engine - Diesel Information

Diesel engine manufacturer	NOT APPLICABLE	
Glow plug, current drain at 0°F		
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System

Turbo charger - manufacturer	NOT APPLICABLE	
Super charger - manufacturer		
Charge cooler		

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Engine Description/Carb.
Engine Code

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO LG4

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO L69

5.0L V8 (305 CID)
TUNED PORT F.I.
RPO LB9

Engine - Valve System

Hydraulic lifters (std., opt., NA)	STANDARD
Valves	Number intake / exhaust 8/8
	Head O.D. intake / exhaust 46.74 (1.84)/38.10 (1.50)

Engine - Connecting Rods

Material & mass [kg., (weight, lbs.)]	SAE 1037 OR 1038 STEEL/0.604 (1.333)
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Engine - Crankshaft

Material & mass [kg., (weight, lbs.)]	NODULAR CAST IRON/23.36 (51.50)
End thrust taken by bearing (no.)	5
Number of main bearings	5

Engine - Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345-448 (50-65) @ 2000
Type oil intake (floating, stationary)	STATIONARY
Oil filter system (full flow, part, other)	FULL FLOW
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

Engine - Diesel Information

Diesel engine manufacturer	NOT APPLICABLE
Glow plug, current drain at 0°F	
Injector nozzle	Type Opening pressure [kPa (psi)]
Pre-chamber design	
Fuel injection pump	Manufacturer Type
Fuel injection pump drive (belt, chain, gear)	
Supplementary vacuum source (type)	
Fuel heater (yes/no)	
Water separator, description (std., opt.)	
Turbo manufacturer	
Oil cooler-type (oil to engine coolant; oil to ambient air)	
Oil filter	

Engine - Intake System

Turbo charger - manufacturer	NOT APPLICABLE
Super charger - manufacturer	
Charge cooler	

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2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		STANDARD					
Coolant fill location (rad., bottle)		BOTTLE, COOLANT RECOVERY					
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15.0)					
Circulation thermostat	Type (choke, bypass)	BYPASS					
	Starts to open at °C (°F)	91° (195°)					
Water pump	Type (centrifugal, other)	CENTRIFUGAL					
	GPM 1000 pump rpm	6					
	Number of pumps	ONE					
	Drive (V-belt, other)	V-BELT					
	Bearing type	SEALED BALL-ROLLER					
By-pass recirculation [type (inter., ext.)]		EXTERNAL			INTERNAL		
Cooling system capacity	With heater—L(qt.)	8.65 (9.14) AUTO; 8.79 (9.29) MAN		11.67 (12.3) AUTO; 11.77 (12.4) MAN			
	With air cond.—L(qt.)	8.67 (9.16) AUTO; 8.8a (9.31) MAN		11.59 (12.2) AUTO; 11.69 (12.3) MAN			
	Opt. equipment [specify—L(qt.)]	8.75 (9.25) AUTO; 8.75 (9.25) MAN		11.67 (12.3) AUTO; 11.77 (12.4) MAN			
Water jackets full length of cyl. (yes, no)		YES					
Water all around cylinder (yes, no)		YES					
Radiator core	Describe (type, material, no. of rows)	CROSS FLOW, ALUMINUM, HIGH-EFFICIENCY RADIATOR					
	Std., A/C, HD	STD	A/C	H.D.	STD	A/C	H.D.
	Width	527.8	667.5	667.5	599.5	599.5	599.5
	Height	437.8	437.8	437.8	437.8	437.8	437.8
	Thickness	23.5	23.5	23.5	23.5	23.5	23.5
	Fins per inch *	12.7	12.7	##	14.5	20.3	20.3
Fan	Std., elec., opt.	STANDARD		OPTIONAL		STANDARD/OPTIONAL	
	Number of blades & type (flex, solid, material)	4-COLUMBIUM SOLID		7-ALUMINUM SOLID		5-PLASTIC SOLID	
	Diameter & projected width	381.0 (15.0)		406.4 (16.0)		423.0 (16.7)	
	Ratio (fan to crankshaft rev.)	1.6:1		NOT AVAILABLE		NOT AVAILABLE	
	Fan cutout type	NONE		CLUTCH		NONE	
	Drive [type (direct, remote)]	BELT		BELT		BELT	
	RPM at idle (elec.)						
	Motor rating (wattage) (elec.)						
	Motor switch (type & location) (elec.)						
	Switch point (temp., pressure) (elec.)						
	Fan shroud (material)	PLASTIC		PLASTIC		PLASTIC	

* - DISTANCE BETWEEN TOP OF FINS.

- 3.0 WITH MANUAL TRANSMISSION.

3.5 WITH AUTOMATIC TRANSMISSION.

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Car Line FIREBIRD
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Engine Description/Carb.
Engine Code

5.0L V8 (305 CID) 4BBL CARBURETOR RPO LC4	5.0L V8 (305 CID) 4BBL CARBURETOR RPO L69	5.0L V8 (305 CID) TUNED PORT F.I. RPO LB9
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Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		STANDARD			
Coolant fill location (rad., bottle)		BOTTLE, COOLANT RECOVERY			
Radiator cap relief valve pressure (kPa (psi))		103.4 (15)			
Circulation thermostat	Type (choke, bypass)	CHOKE			
	Starts to open at °C (°F)	90.6° (195°)			
Water pump	Type (centrifugal, other)	CENTRIFUGAL			
	GPM 1000 pump rpm	14	14	14	14
	Number of pumps	ONE			
	Drive (V-belt, other)	V-BELT			
	Bearing type	SEALED DOUBLE ROW BALL			
By-pass recirculation [type (inter., ext.)]		INTERNAL			
Cooling system capacity	With heater-L(qt.)	14.41 (15.23)	14.96 (15.81)	14.96 (15.81)	14.96 (15.81)
	With air cond.-L(qt.)	14.88 (15.73)	15.88 (16.78)	15.88 (16.78)	15.88 (16.78)
	Opt. equipment (specify-L(qt.))	14.96 (15.81) H.D.@@			
Water jackets full length of cyl. (yes, no)		YES			
Water all around cylinder (yes, no)		YES			
Radiator core	Describe (type, material, no. of rows)	CROSS FLOW,ALUM HIGH-EFFICIENCY RAD EXC LC4, AC, HD RADIATOR;L69 AC RAD IS COPPER-BRASS HIGH-EFFICIENCY RADIATOR			
	Std., A/C, HD	STD	A/C OR HD	A/C & HD	STD
	Width	527.8	667.5	668.0	667.5
	Height	437.8	437.8	429.7	437.8
	Thickness	23.5	23.5	40.2	34.0
	Fins per inch *	#	#	##	20.3
Fan	Std., elec., opt.	STANDARD	OPTIONAL	STANDARD/ELECTRIC	STANDARD & A/C
	Number of blades & type (flex, solid, material)	3, ALUMINUM SOLID	7, ALUMINUM SOLID	5, PLASTIC SOLID	5, PLASTIC SOLID
	Diameter & projected width	457.2 (18.0)	457.2 (18.0)	418.0 (16.5)	423.0 (16.7)
	Ratio (fan to crankshaft rev.)	1.08:1	.95:1		
	Fan cutout type	CLUTCH	CLUTCH		
	Drive [type (direct, remote)]	BELT	BELT		BELT
	RPM at idle (elec.)			2200	
	Motor rating (wattage) (elec.)			150	
	Motor switch (type & location) (elec.)			TEMP SWITCH, ENG CYL HEAD	
	Switch point (temp., pressure) (elec.)				
	Fan shroud (material)			PLASTIC	

* - DISTANCE BETWEEN TOP OF FINS.

@@ - 15.88 WITH AIR CONDITIONER AND HEAVY DUTY RADIATOR.

- 12.7 WITH MANUAL TRANSMISSION.

14.5 WITH AUTOMATIC TRANSMISSION.

- 12.7 WITH MANUAL TRANSMISSION

16.9 WITH AUTOMATIC TRANSMISSION.

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Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC F.I.
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT F.I.
RPO LB8

Engine - Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			FUEL INJECTION	
Carburetor	Mfgr.		ROCHESTER	
	Choke (type)		NOT APPLICABLE	
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual		
		Automatic		
Idle A/F mix.			ECM CONTROL	
Fuel injection	Point of injection (no.)	THROTTLE BODY (1)	PORT (6)	
	Constant, pulse, flow	PULSE		
	Control (electronic, mech.)	ELECTRONIC		
	System pressure [kPa (psi)]	83.0 (12.0)	250.0 (36.75)	
Intake manifold heat control (exhaust or water thermostatic or fixed)			WATER NONE	
Air cleaner type	Standard	REPLACEABLE PAPER ELEMENT		
	Optional			
Fuel pump	Type (elec. or mech.)	ELECTRIC		
	Location (eng., tank)	FUEL TANK		
	Pressure range [kPa (psi)]	83.0 (12.0)	160.0-250.0 (24.0-37.6)	

Fuel Tank

Capacity (refill L (gallons))		58.7 (15.5)
Location (describe)		REAR CENTER - OVER REAR AXLE
Attachment		UNDER BODY STRAP
Material		STEEL
Filler pipe	Location & material	LEFT REAR QUARTER
	Connection to tank	SOLID SOLDER
Fuel line (material)		STEEL (GM 124 - M)
Fuel hose (material)		RUBBER GM 6163 - M
Return line (material)		STEEL (GM 124 - M)
Vapor line (material)		STEEL (GM 124 - M)
Extended range tank	Opt., n.a.	NOT APPLICABLE
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n.a.	NOT APPLICABLE
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

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Engine Description/Carb.
Engine Code

5.0L V8 (305 CID) 4BBL CARBURETOR RPO LC4	5.0L V8 (305 CID) 4BBL CARBURETOR H.O. RPO L69	5.0L V8 (305 CID) TUNED PORT F.I. RPO LB9
-------------------------------------------------	------------------------------------------------------	-------------------------------------------------

Engine - Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			CARBURETOR	FUEL INJECTION
Carburetor	Mfr.		ROCHESTER QUADRAJET	ROCHESTER
	Choke (type)		ELECTRIC	NOT APPLICABLE
	Idle spd. -rpm (spec. neutral or drive and propane if used)	Manual		
		Automatic		
Idle A/F mix.			NOT APPLICABLE	ECM CONTROL
Fuel injection	Point of injection (no.)			PORT (8)
	Constant, pulse, flow			PULSE
	Control (electronic, mech.)			ELECTRONIC
	System pressure [kPa (psi)]			250.0 (37.75)
Intake manifold heat control (exhaust or water thermostatic or fixed)			EXHAUST	NONE
Air cleaner type	Standard		REPLACEABLE PAPER ELEMENT	
	Optional			
Fuel pump	Type (elec. or mech.)		MECHANICAL	ELECTRICAL
	Location (eng., tank)		LOWER RIGHT FRONT ENGINE	FUEL TANK
	Pressure range [kPa (psi)]		51.7-62.0 (7.5-9.0)	160.0-250.0 (24.0-37.0)

Fuel Tank

Capacity (refill L (gallons))		61.3 (16.2)	58.7 (15.5)
Location (describe)		REAR CENTER - OVER REAR AXLE	
Attachment		UNDERBODY STRAP	
Material		STEEL	
Filler pipe	Location & material	LEFT REAR QUARTER	
	Connection to tank	SOLID SOLDER	
Fuel line (material)		STEEL (CM 124 - M)	
Fuel hose (material)		RUBBER CM 6163 - M	
Return line (material)		STEEL (CM 124 - M)	
Vapor line (material)		STEEL (CM 124 - M)	
Extended range tank	Opt., n.a.	NOT APPLICABLE	
	Capacity [L (gallons)]		
	Location & material		
	Attachment		
Auxiliary tank	Opt., n.a.	NOT APPLICABLE	
	Capacity [L (gallons)]		
	Location & material		
	Attachment		
	Selector switch or valve		
Separate fill			

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Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC F.I.
RPO L09

2.8L V6 (173 CID)
MULTI-PORT F.I.
RPO L88

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		3C-THROTTLE BODY INJECTION SINGLE BED 3-WAY, EST, BPGER	AIR INJECTION W/ COMPUTER COMMAND CONTROL *
	Air Injection	Pump or pulse	NOT APPLICABLE	VANE *
		Driven by	NOT APPLICABLE	V-BELT *
		Air distribution (head, manifold, etc.)	NOT APPLICABLE	MANIFOLD CONVERTER *
		Point of entry	NOT APPLICABLE	EXHAUST MANIFOLD *
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	CONTROLLED FLOW	BACK PRESSURE MODULATED CONTROLLED FLOW
		Exhaust source	EXHAUST MANIFOLD	MANIFOLD EXHAUST (PASSOVER)
		Point of exhaust injection (spacer, carburetor, manifold, other)	INLET MANIFOLD	3-WAY MONOLITH (AUTO)
			SINGLE BED, OXIDIZING & REDUCING	DUAL BED, OXIDIZING & REDUCING *
	Catalytic Converter	Type	ONE	
		Number of		
		Location(s)	FORWARD UNDER FLOOR	BENEATH RE UNDER BODY
		Volume [L (in ³)]	2.623 (160.0)	2.782 (170.0)
		Substrate type	PELLETS	MONOLITH
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		INDUCTION SYSTEM	
	Energy source (manifold vacuum, carburetor, other)		MANIFOLD VACUUM	
	Discharges (to intake manifold, other)		INLET MANIFOLD	
	Air inlet (breather cap, other)		TBI AIR CLEANER	CARBURETOR AIR CLEANER
Evapora- tive Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	CANISTER	
		Carburetor	CANISTER	
	Vapor storage provision		CANISTER	
Electronic system	Closed loop (yes/no)		YES	
	Open loop (yes/no)		NO	

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		SINGLE	SINGLE W/CROSSOVER
Muffler no. & type (reverse flow, straight thru, separate resonator)		DUAL OUTLET REVERSE FLOW	DUAL OUTLET REVERSE FLOW
Resonator no. & type		NONE	
Exhaust pipe	Branch o.d., wall thickness		50.8x1.02 (2.0x.040)
	Main o.d., wall thickness		57.15x1.02 (2.25x.045)
	Material		STAINLESS STEEL
Inter- mediate pipe	o.d. & wall thickness		50.8x1.09 (2.0x.043)
	Material		ALUMINUM COATED STEEL
Tail pipe	o.d. & wall thickness		57.15x1.09 (2.25x.043)
	Material		ALUMINUM COATED STEEL

* MANUAL TRANSMISSION ONLY.

(a) INNER AND OUTER TUBING STAINLESS STEEL WITH 2.13 MM (.084) AIR GAP BETWEEN TUBES.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (●) _____

Engine Description/Carb.
Engine Code

5.0L V8 (305 CID) 488L CARBURETOR RPO LG4	5.0L V8 (305 CID) 488L CARBURETOR RPO L69 H.O.	5.0L V8 (305 CID) TUNED PORT F.I. RPO LB9
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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		AIR INJECTION W/COMPUTER COMMAND CONTROL
	Air Injection	Pump or pulse	VANE
		Driven by	V-BELT
		Air distribution (head, manifold, etc.)	EXHAUST MANIFOLD
		Point of entry	EXHAUST MANIFOLD
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	CONTROLLED FLOW
		Exhaust source	CYLINDER HEAD
		Point of exhaust injection (spacer, carburetor, manifold, other)	INTAKE MANIFOLD
	Catalytic Converter	Type	170 CU.IN. MONOLITH
		Number of	ONE
		Location(s)	UNDER RIGHT FRONT PASSENGER SEAT
		Volume [L (in³)]	2782 CM (170.0 CU.IN.)
Substrate type		MONOLITH	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		INDUCTION SYSTEM
	Energy source (manifold vacuum, carburetor, other)		MANIFOLD VACUUM
	Discharges (to intake manifold, other)		INTAKE MANIFOLD
	Air inlet (breather cap, other)		INDUCTION SYSTEM
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	CANISTER
		Carburetor	CANISTER
	Vapor storage provision		CANISTER
Electronic system	Closed loop (yes/no)		YES
	Open loop (yes/no)		NO

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		SINGLE TO TRANSVERSE MOUNTED MUFFLER WITH DUAL TAILPIPIES		
Muffler no. & type (reverse flow, straight thru, separate resonator)		REVERSE FLOW		
Resonator no. & type		NOT AVAILABLE		
Exhaust pipe	Branch o.d., wall thickness	2.00 O.D., .043 IN.		
	Main o.d., wall thickness	2.25, .043 IN. - 2.75, .043 IN.		
	Material	409 STAINLESS STEEL		
Inter-mediate pipe	o.d. & wall thickness	2.25, .043 IN. - 2.75, .043 IN.		
	Material	ALUMINUM COATED STEEL		
Tail pipe	o.d. & wall thickness	2.25, .043 IN.	2.50, .043	2.50, .040
	Material	ALUMINUM COATED STEEL		

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	NOT AVAILABLE
Manual 4-speed (std., opt., n.a.)	NOT AVAILABLE
Manual 5-speed (std., opt., n.a.)	STANDARD
Manual overdrive (std., opt., n.a.)	STANDARD *
Automatic (std., opt., n.a.)	OPTIONAL
Automatic overdrive (std., opt., n.a.)	OPTIONAL

Manual Transmission/Transaxle

Number of forward speeds		5	5
Transmission ratios	In first	3.76	4.03
	In second	2.18	2.37
	In third	1.42	1.50
	In fourth	1.00	1.00
	In fifth	0.72	0.76
	In overdrive		
	In reverse	3.76	3.76
Synchronous meshing (specify gears)		ALL FORWARD GEARS	
Shift lever location		FLOOR	
Lubricant	Capacity [L (pt.)]	3.132 (6.65)	
	Type recommended	GM DEXRON II	
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

Clutch (Manual Transmission)

Make, type, engagement (describe)		BORG & BECK, DRY DISC
Type pressure plate springs		BELLEVILLE SPRING
Total spring load [N (lb.)]		5737 (1290)
No. of clutch driven discs		ONE
Clutch facing	Material	WOVEN MOLDED NON-ASBESTOS (VALEO F202)
	Manufacturer	BORG & BECK
	Part number	14084166
	Rivets/plate	36
	Rivet size	0.142 DIA
	Outside & inside dia.	321.78 x 155.58 mm (9.125 x 6.125 in.)
	Total eff. area [cm ² (in. ²)]	231.825 (35.94)
	Thickness	7.50 - 8.00 mm (0.295 - 0.315 in.)
	Engagement cushion method	DRIVEN PLATE WAVE SPOKE SPRINGS
Release bearing	Type & method of lubrication	BALL THRUST - PREPACKED & SEALED
Torsional damping	Method: springs, friction material	COIL SPRINGS & METAL-TO-METAL FRICTION

* FIFTH SPEED IS OVERDRIVE.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Engine Description/Carb.
Engine Code

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO LG4

5.0L V8 (305 CID)
4BBL CARBURETOR
RPO L69

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.)	NOT AVAILABLE
Manual 4-speed (std., opt., n.a.)	NOT AVAILABLE
Manual 5-speed (std., opt., n.a.)	STANDARD
Manual overdrive (std., opt., n.a.)	STANDARD *
Automatic (std., opt., n.a.)	OPTIONAL NOT AVAILABLE
Automatic overdrive (std., opt., n.a.)	OPTIONAL NOT AVAILABLE

Manual Transmission/Transaxle

Number of forward speeds		5	5
Transmission ratios	In first	2.95	2.95
	In second	1.94	1.94
	In third	1.34	1.34
	In fourth	1.00	1.00
	In fifth	0.63	0.63
	In overdrive		
	In reverse	2.76	2.76
Synchronous meshing (specify gears)		ALL FORWARD GEARS	
Shift lever location		FLOOR	
Lubricant	Capacity [L (pt.)]	3.132 (6.65)	
	Type recommended	GM DEXRON II	
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

Clutch (Manual Transmission)

Make, type, engagement (describe)		VALEO - DRY DISC
Type pressure plate springs		BELLEVILLE SPRING
Total spring load [N (lb.)]		7838 (1762)
No. of clutch driven discs		ONE
Clutch facing	Material	MOLDED NON-ASBESTOS (VALEO F202)
	Manufacturer	VALEO
	Part number	14079940
	Rivets/plate	36
	Rivet size	0.142 DIA
	Outside & inside dia.	254.0 x 164.0 mm (10.0 x 6.46 in.)
	Total eff. area [cm ² (in. ²)]	295.5 (45.8)
	Thickness	7.75 mm (0.305 in.)
Engagement cushion method		DRIVEN PLATE WAVE SPOKE SPRINGS
Release bearing	Type & method of lubrication	BALL THRUST - PREPACKED & SEALED
Torsional damping	Method: springs, friction material	COIL SPRINGS & METAL-TO-METAL FRICTION

* FIFTH SPEED IS OVERDRIVE.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO LQ9

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

Automatic Transmission/Transaxle

Trade name		4-SPEED AUTOMATIC	
Type and special features (describe)		700-R4 - PLANETARY GEARS - TORQUE CONVERTER, W/LOCKING CLUTCH	
Selector	Location	ON CONSOLE	
	Ltr./No. designation	P-R-N-[D]-D-2-1	
Gear ratios	R	2.29	
	D	0.70	
	L ₃	1.00	
	L ₂	1.63	
	L ₁	3.06	
Max. upshift speed - drive range [km/h (mph)]		101 (63)	115 (70)
Max. kickdown speed - drive range [km/h (mph)]		96 (60)	112 (64)
Min. overdrive speed [km/h (mph)]		62 (38)	54 (33)
Torque converter	Number of elements	3	
	Max. ratio at stall	2.48	2.35
	Type of cooling (air, liquid)	LIQUID	
	Nominal diameter	245.0 mm (9.65)	
Lubricant	Capacity [refill L (pt.)]	10.9 (23.0)	
	Type Recommended	CM DEXTRON II	
Oil cooler (std., opt., NA, internal, external, air, liquid)		STANDARD - LIQUID - IN RADIATOR	

Axle or Front Wheel Drive Unit

Type (front, rear)		REAR	
Description		SEMI-FLOATING AXLE, OVERHUNG HYPOID DRIVEN PINION AND RING GEAR	
Limited slip differential (type)		CONE CLUTCH	
Drive pinion offset		1.50	
Drive pinion (type)		HYPOID	
No. of differential pinions		2 STANDARD/4 L/S	
Pinion / differential adjustment (shim, other)		SHIM	
Pinion / differential bearing adjustment (shim, other)		COLLAPSIBLE SPACER	
Driving wheel bearing (type)		ROLLER BEARING STD/TAPERED ROLLER - L/S	
Lubricant	Capacity [L (pt.)]		3.5 (7.43) STD / 3.6 (7.64) L/S
	Type recommended		GL5 GEAR LUBE
	SAE viscosity number	Summer	80W OR 80W-90
		Winter	
		Extreme cold	80W OR 80W-90

Axle or Transaxle Ratio and Tool Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)		3.73	3.42
No. of teeth	Pinion	11	12
	Ring gear or gear	41	41
Ring gear o.d.		193.68mm (7.63)	196.85 mm (7.75)
Transaxle	Transfer gear ratio		
	Final drive ratio		

L/S = LIMITED SLIP.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Engine Description/Carb.
Engine Code

5.0L V8 (305 CID) 4BBL CARBURETOR RPO LC4	5.0L V8 (305 CID) 4BBL CARBURETOR RPO L69	5.0L V8 (305 CID) MULTI-PORT FUEL INJECTION RPO LB9
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Automatic Transmission/Transaxle

Trade name	4-SPEED AUTOMATIC	
Type and special features (describe)	700-R4 - PLANETARY GEARS - TORQUE CONVERTER, W/LOCKING CLUTCH	
Selector	Location	ON CONSOLE
	Ltr./No. designation	P-R-N-[D]-D-2-1
Gear ratios	R	2.29
	D	0.70
	L ₃	1.00
	L ₂	1.63
	L ₁	3.06
Max. upshift speed - drive range [km/h (mph)]		108 (66)
Max. kickdown speed - drive range [km/h (mph)]		108 (66) 105 (63)
Min. overdrive speed [km/h (mph)]		50 (30) 48 (30)
Torque converter	Number of elements	3
	Max. ratio at stall	2.34 1.84
	Type of cooling (air, liquid)	LIQUID
	Nominal diameter	298.0 mm (11.7)
Lubricant	Capacity (refill L (pt.))	10.9 (23.0)
	Type Recommended	GM DEXTRON II
Oil cooler (std., opt., NA, internal, external, air, liquid)		STANDARD - LIQUID - IN RADIATOR

Axle or Front Wheel Drive Unit

Type (front, rear)	REAR	
Description	SEMI-FLOATING AXLE, OVERHUNG HYPOLD DRIVEN PINION AND RING GEAR	
Limited slip differential (type)	CONE CLUTCH	
Drive pinion offset	1.50	
Drive pinion (type)	HYPOLD	
No. of differential pinions	4	
Pinion / differential adjustment (shim, other)	SHIM	
Pinion / differential bearing adjustment (shim, other)	COLLAPSIBLE SPACER	
Driving wheel bearing (type)	TAPERED ROLLER BEARING	
Lubricant	Capacity [L (pt.)]	3.6 (7.64)
	Type recommended	GL5 GEAR LUBE
	SAE viscosity number	80W OR 80W-90
	Summer	80W OR 80W-90
	Winter Extreme cold	80W OR 80W-90

Axle or Transaxle Ratio and Tool Combinations (See 'Power Teams' for axle ratio usage.)

Axle ratio (or overall top gear ratio)	3.27	3.70	3.27
No. of teeth	Pinion	11	10
	Ring gear or gear	36	37
Ring gear o.d.		196.85 (7.75)	
Transaxle	Transfer gear ratio		
	Final drive ratio		

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Engine Description/Carb.
Engine Code

ALL

Propeller Shaft - Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			STRAIGHT TUBE	
Outer diam. x length* x wall thickness	Manual 3-speed trans.		NOT AVAILABLE	
	Manual 4-speed trans.		63.5 x 1056.8 x 1.65 mm (2.5 x 41.6 x 0.065 in.)	
	Manual 5-speed trans.		63.5 x 1056.8 x 1.65 mm (2.5 x 41.6 x 0.065 in.)	
	Overdrive		---	
	Automatic transmission		63.5 x 1135.0 x 1.65 mm(3-SPEED) (2.5 x 44.7 x 0.65 in.)	63.5 x 1056.8 x 1.65 mm (4-SPEED) (2.5 x 41.6 x 0.65 in.)
Inter-mediate bearing	Type (plain, anti-friction)		NOT AVAILABLE	
	Lubrication (fitting, prepack)		NOT AVAILABLE	
Slip yoke	Type		SPLINED	
	Number of teeth		27	
	Spline o.d.		29.84 (1.174 in.)	
Universal joints	Make and mfg. no.	Front	SAGINAW, SIZE 44	
		Rear	SAGINAW, SIZE 44	
	Number used		TWO	
	Type (ball and trunnion, cross)		CROSS	
	Rear attach (u-bolt, clamp, etc.)		STRAP AND BOLT	
	Bearing	Type (plain, anti-friction)	ANTI-FRICTION	
		Lubrication (fitting, prepack)	PREPACKED	
Drive taken through (torque tube, arms or springs)			REAR AXLE TRAILING ARMS, TRACK BAR	
Torque taken through (torque tube, arms or springs)			TORQUE ARMS	

* Centerline to centerline of universal joints, or to centerline of rear attachment.

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METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Body Type And/Or
Engine Displacement

ALL

Suspension - General

Car leveling	Std./opt./n.a.	NOT AVAILABLE
	Type (air, hyd., etc.)	
	Manual/auto. controlled	
Provision for brake dip control		FRONT SUSPENSTON GEOMETRY
Provision for accel. squat control		REAR SUSPENSTON GEOMETRY
Provisions for car jacking		ON ROCKER
Shock absorber (front & rear)	Type	DIRECT, DOUBLE-ACTION, HYDRAULIC
	Make	DELCO PRODUCTS
	Piston diameter	32.0 mm (1.26) OF 35.0 mm (1.38) W/WS6 FRONT; 25.0 mm (1.0) REAR
	Rod diameter	

Suspension - Front

Type and description		INDEPENDENT W/COIL SPRINGS
Drive and torque taken through		NOT AVAILABLE
Travel	Full jounce	75.0 mm (2.95)
	Full rebound	95.0 mm (3.74)
Spring	Type (coil, leaf, other) & material	COIL, ALLOY STEEL
	Insulators (type & material)	
	Size (coil design height & i.d., bar length x dia.)	260.0x103.0; 2490.0x15.0 BASE (10.2x4.06); (98.0x0.59)
	Spring rate [N/mm (lb./in.)]	(a), (b), (c)
	Rate at wheel [N/mm (lb./in.)]	SPRING RATE X (2.455)
Stabilizer	Type (link, linkless, frameless)	LINK
	Material & bar diameter	STL-30.0mm(1.2) BASE & SE; 32.0mm(1.26) TRANS AM; 34.0mm(1.34) W/WS6 OPT

Suspension - Rear

Type and description		SALISBURY AXLE W/TORQUE ARM, LCA, TRACK BAR, COIL SPRINGS
Drive and torque taken through		LCA & TORQUE ARM
Travel	Full jounce	85.0 mm (3.3)
	Full rebound	118.0 mm (4.6)
Spring	Type (coil, leaf, other) & material	COIL, STEEL ALLOY
	Size (length x width, coil design height & i.d., bar length & dia.)	254.0x102.6; 2709.0x12.0 mm (10.0x4.03); (27.9x0.472)
	Spring rate [N/mm (lb./in.)]	18.0/25.0; 23.0 (WS6)
	Rate at wheel [N/mm (lb./in.)]	(SPRING RATE X 0.96)
	Insulators (type & material)	RUBBER ISOLATED
	If leaf	No. of leaves Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	LINK
	Material & bar diameter	STEEL - 18.0mm(0.71) SE & BASE; 23.0mm(0.91) TRANS AM (d); 25.0mm(1.9) WS6
Track bar (type)		HAT SECTION W/RUBBER BUSHINGS

(a) BASE & SE: 64.0 (345.6) (V6 & L4), 70.0 (399.0) (V8)

(c) WS6: 96.0 (547.2)

(b) V99: 96.0 (547.2) (V8), 70.0 (399.0) (V6)

(d) EXC. V6 WHICH USES 18.0 mm BAR

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METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (●) _____

Body Type And/Or
Engine Displacement

ALL

Brakes - Service

Description				
Brake type (std., opt., n.a.)		Front (disc or drum)	DISC	
		Rear (disc or drum)	DRUM; DISC OPTIONAL	
Self-adjusting (std., opt., n.a.)			STANDARD	
Special valving	Type (proportion, delay, metering, other)		REMOTE METERING AND PROPORTIONING, FRONT/REAR SPLIT	
Power brake (std., opt., n.a.)			STANDARD	
Booster type (remote, integral, vac., hyd., etc.)			200.0 mm (7.87 in.) TANDEM VACUUM	
Vacuum source (inline, pump, etc.)			ENGINE	
Vacuum reservoir (volume in. ³)				
Vacuum pump-type (elec. gear driven, belt driven, if other so state)			NONE	
Anti-skid device type (std., opt., n.a.) (F/R)			NOT AVAILABLE	
Effective area [cm ² (in. ²)]*			615.5 (95.4) TOTAL	
Gross lining area [cm ² (in. ²)]**(F/R)			691.6 (107.2) TOTAL	
Swept area [cm ² (in. ²)]*** (F/R)			1985.1 (307.7) TOTAL	
Rotor	Outerworking diameter	F/R	F/267.0 mm (10.5); R/267.0 mm (10.5)	
	Inner working diameter	F/R	F/171.5 mm (6.75); R/171.5 mm (6.75)	
	Thickness	F/R	F/26.2 mm (1.03); R/26.2 mm (1.03)	
	Material & type (vented/solid)	F/R	CAST IRON VENTED F/R	
Drum	Diameter & width	F/R	241.0 mm (9.5) x 50.8 mm (2.0)	
	Type and material	F/R	CAST IRON FINNED (ALUMINUM FOR SELECTED APPLICATIONS)	
Wheel cylinder bore			F/64.0 mm (2.5); R/19.0 mm (.75) DRUM; 48.0 mm (1.9) DISC	
Master cylinder	Bore/stroke	F/R	BORE: 24.0 mm (0.94) DISC/DRUM; 25.4 mm (1.0) DISC/DISC	
Pedal arc ratio			3.25:1	
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				
Lining clearance		(F/R)	SELF ADJUSTING F/R	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		RIVETED (8)
		Rivet size		5.33x7.92 mm (0.210x0.312)
		Manufacturer		DELCO MORaine
		Lining code		
		Material		SEMI-METALLIC
		****	Primary or out-board	125.0x48.4x11.04 mm (4.92x1.91x0.435)
		Size	Secondary or in-board	125.0x48.4x10.55 mm (4.92x1.91x0.415)
		Shoe thickness (no lining)		
	Rear wheel	Bonded or riveted (rivets/seg.)		RIVETED 10 PRI, 12 SEC DRUM RIVETED, 8 DISC
		Manufacturer		INLAND DELCO MORaine
		Lining code		
		Material		ASBESTOS
		****	Primary or out-board	192.5x50.8x4.98 mm (7.58x2.0x0.196) 125.0x48.4x11.04 mm (4.92x1.91x0.435)
		Size	Secondary or in-board	249.6x50.8x6.75 mm (9.83x2.0x0.266) 125.0x48.4x10.55 mm (4.92x1.91x0.415)
		Shoe thickness (no lining)		F/R 1.98 mm (0.078) 08/3.42 mm (0.135); 18/4.85 mm (0.191)

*Excludes rivet holes, grooves, chamfers, etc.

**Includes rivet holes, grooves, chamfers, etc.

***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

****Size for drum brakes includes length x width x thickness.

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METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Body Type And/Or
Engine Displacement

BASE	SE	SE W/Y99 TRANS AM Y99 W/LB8, LG4	TRANS AM 16" (WS6)
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Tires And Wheels (Standard)

Tires	Size (load range, ply)		195/75R14	205/70R14	215/65R15	245/50R15
	Type (bias, radial, etc.)		STEEL-BELTED RADIAL			
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)		207 (30)	
		Rear [kPa (psi)]	240 (35)		207 (30)	
	Rev./mile—at 70 km/h (45 mph)		817	823	801	813
Wheels	Type & material		STYLED STEEL DISC	CAST ALUMINUM	CAST ALUMINUM	CAST ALUMINUM
	Rim (size & flange type)		14" x 7" JJ	14" x 7" JJ	15" x 7" JJ	16" x 8" JJ
	Wheel offset		8 mm	8 mm	8 mm	
	Attachment	Type (bolt or stud)	STUD			
		Circle diameter	120.7 mm (4.75)			
		Number & size	HEX NUTS 5-M12 x 1.5			
Spare	Tire and wheel (same, if other describe)		T125/70D15, 15" x 4" COMPACT (a)			
	Storage position & location (describe)		VERTICALLY, ADJACENT TO RH QUARTER PANEL			

Tires And Wheels (Optional)

Size (load range, ply)	P235/60VR15 (REQD W/LB9, L69 V8 ENGINES)
Type (bias, radial, etc.)	STEEL-BELTED RADIAL
Wheel (type & material)	CAST ALUMINUM, STYLED
Rim (size, flange type and offset)	15" x 7" JJ (8 mm)
Size (load range, ply)	205/70R14 (OPTIONAL BASE ONLY, TRANS AM W/Y99)
Type (bias, radial, etc.)	STEEL-BELTED RADIAL
Wheel (type & material)	CAST ALUMINUM, DIAMOND SPOKE
Rim (size, flange type and offset)	14" x 7" JJ
Size (load range, ply)	215/65R15 (OPTIONAL SE ONLY, TRANS AM W/WS6)
Type (bias, radial, etc.)	STEEL-BELTED RADIAL
Wheel (type & material)	CAST ALUMINUM, HI-TECH
Rim (size, flange type and offset)	15" x 7" JJ
Size (load range, ply)	215/65R15 (OPTIONAL SE ONLY, TRANS AM W/WS6)
Type (bias, radial, etc.)	STEEL-BELTED RADIAL
Wheel (type & material)	CAST ALUMINUM, DIAMOND SPOKE
Rim (size, flange type and offset)	15" x 7" JJ
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes - Parking

Type of control		HAND LEVER APPLICATION - PUSH BUTTON REVERSE
Location of control		BETWEEN FRONT SEATS
Operates on		REAR SERVICE BRAKES
If separate from service brakes	Type (internal or external)	
	Drum diameter	
	Lining size (length x width x thickness)	

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Body Type And/Or
Engine Displacement

ALL

Steering

Manual (std., opt., n.a.)		NOT AVAILABLE		
Power (std., opt., n.a.)		STANDARD		
Adjustable steering wheel (tilt, swing, other)	Type and description	TILT		
	(Std., opt., n.a.)	OPTIONAL		
Wheel diameter	Manual			
	Power	368.0 mm (14.5 in.) RIM		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.02 m (39.4 ft.) 13.0 m (42.6 ft.) EST. (c)	
		Curb to curb (l. & r.)	11.25 m (36.9 ft.) 12.2 m (40.0 ft.) EST. (c)	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Scrub Radius				
Manual	Gear	Type	NOT AVAILABLE	
		Make		
		Ratios	Gear Overall	
	No. wheel turns (stop to stop)			
Power	Type (coaxial, linkage, etc.)		COAXIAL RECIRCULATING BALL	
	Make		SAGINAW STEERING GEAR	
	Gear	Type	ACME WORM RECIRCULATING BALL	
		Ratios	Gear Overall	14:1 (a) 12.7:1 (b) 12.7:1 (c)
				15.4:1 14:1 14:1
	Pump (drive)		V-BELT	
	No. wheel turns (stop to stop)		2.7 2.5 2.2	
Linkage	Type		PARALLELOGRAM	
	Location (front or rear of wheels, other)		FRONT	
	Drag links (trans. or longit.)		NONE	
	Tie rods (one or two)		TWO	
	Inclination at camber (deg.)			
Steering axis	Bearings (type)	Upper	BALL STUD	
		Lower	BALL STUD	
		Thrust	NONE	
Steering spindle & joint type		STEERING KNUCKLE W/SPHERICAL JOINTS		
Wheel spindle	Diameter	Inner bearing	31.73 - 31.74 (1.2493 - 1.2498)	
		Outer bearing	21.04 - 21.42 (0.83 - 0.84)	
	Thread (size)		3/4 - 20 UNEF - 3A (MODIFIED)	
	Bearing (type)		TAPERED ROLLER	

(a) BASE.

(b) TRANS AM AND SE WITHOUT WS6 PERFORMANCE SUSPENSION.

(c) TRANS AM AND ~~SE~~ WITH WS6 PERFORMANCE SUSPENSION.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (●) _____

Body Type And/Or
Engine Displacement

ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	$+3.0^{\circ} \pm .5^{\circ}$ (L/R SIDE TO BE EQUAL WITHIN 1.0°)
		Camber (deg.)	$+1.0 \pm 0.5^{\circ}$
		Toe-in (outside track-mm (in.))	$+0.2^{\circ} \pm 0.11$ PER WHEEL
	Service reset*	Caster	$+3.0^{\circ} \pm 0.5^{\circ}$ (L/R SIDE TO BE EQUAL WITHIN 0.5°)
		Camber	$1.0^{\circ} \pm 0.5^{\circ}$
		Toe-in	$+0.2^{\circ} \pm 0.05^{\circ}$ PER WHEEL
	Periodic M.V. inspection	Caster	
		Camber	
		Toe-in	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	
		Toe-in (outside track-mm (in.))	
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. inspection	Camber	
		Toe-in	

* Indicates pre-set, adjustable, trend set or other.

Electrical - Instruments and Equipment

Speedometer	Type	CIRCULAR DIAL AND POINTER, 7 DIGIT ODOMETER **
	Trip odometer (std., opt., n.a.)	OPTIONAL
EGR maintenance indicator		NOT AVAILABLE
Charge indicator	Type	TELLTALE *
	Warning device	INHERENT (IN TELLTALE)
Temperature indicator	Type	TELLTALE *
	Warning device	INHERENT (IN TELLTALE)
Oil pressure indicator	Type	TELLTALE *
	Warning device	INHERENT (IN TELLTALE)
Fuel indicator	Type	ELECTRIC GAGE ***
	Warning device	INHERENT (IN TELLTALE)
Windshield wiper	Type (standard)	ELECTRIC, 2-SPEED, DEPRESSED PARK
	Type (optional)	INTERMITTENT
	Blade length	454.4 mm (18 in.)
	Swept area [cm ² (in. ²)]	5792.0 (898.0)
Windshield washer	Type (standard)	PUSHBUTTON (FLUIDIC TYPE STANDARD)
	Type (optional)	NOT AVAILABLE
	Fluid level indicator	NOT AVAILABLE
Horn	Type	ELECTRIC VIBRATOR
	Number used	DUAL STANDARD
Other		PROVISIONS FOR ELECTRONIC CRUISE CONTROL AND OXYGEN SENSOR FLAG, CHECK ENGINE, HEADLAMP HIGH BEAM, TURN SIGNALS, BRAKE WARNING LIGHT, FASTEN SEATBELTS. DRIVER INFORMATION CENTER AVAILABLE W/U52 ELECTRONIC CLUSTER.

* REPLACED BY GAUGES.

** DIGITAL SPEEDOMETER WITH U52 WITH U21/U52 RALLY CLUSTER OR ELECTRONIC CLUSTER OPTION.

*** LIQUID CRYSTAL FUEL GAGE (ANALOG) WITH U52.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Engine Description/Carb.
Engine Code

2.5L L4 (151 CID)
ELECTRONIC FUEL INJECTION
RPO L09

2.8L V6 (173 CID)
MULTI-PORT FUEL INJECTION
RPO LB8

Electrical – Supply System

Battery	Make	DELCO REMY FREEDOM II AND III		
	Model, std., (opt.)	75A-60	75-60 BASE	75A-60 W/UA1
	Voltage	12 V		
	Amps at 0°F cold crank	630	500	630
	Minutes-reserve capacity	90	90	90
	Amp/hrs. - 20 hr. rate	54	54	54
	Location	LEFT SIDE ENGINE COMPARTMENT		
Generator or alternator	Type and rating	LEFT FRONT ENGINE COMPARTMENT		
	Ratio (alt. crank/rev.)	(c, d, e, f) (d, e, g)		
	Optional (type & rating)	2.75:1		
Regulator	Type	INTEGRAL W/ALTERNATOR		

Electrical – Starting System

Start, motor	Current drain at 0°F	NOT AVAILABLE
Motor drive	Engagement type	POSITIVE SHIFT SOLENOID
	Pinion engages from (front, rear)	REAR

Electrical – Ignition System

Type	Conventional (std., opt., n.a.)		
	Electronic (std., opt., n.a.)		
	Other (specify)		
Coil	Make		HIGH ENERGY IGNITION (HEI)
	Model		DELCO REMY
	Current	1115305 (REMOTE)	1115313 (REMOTE)
		0.5	
Spark plug	Make		AC
	Model		R43TSX R42CTS
	Thread (mm)		M14 x 1.25 M14 x 1.25
	Tightening torque [N-m (lb., ft.)]		20-34 (15-25) 9-20 (7-15)
	Gap		1.524 (0.60) 1.143 (0.45)
	Number per cylinder		
Distributor	Make		DELCO REMY
	Model		1103634 110359

Electrical – Suppression

Locations & type	INTERNAL ALTERNATOR CAPACITOR, NON-METALLIC HIGH-TENSION CABLES, RESISTOR SPARK PLUGS, IGNITION COIL BYPASS CAPACITOR, INTERNAL AC BLOWER MOTOR BYPASS CAPACITOR AND A/C COMPRESSION DIODE, WITH RADIO PROVISIONS; HOOD GROUNDING CLIP, ENGINE TO DASH PANEL GROUND STRAP, AND ON "HEATER-ONLY" BLOWER MOTORS, A COAX CAPACITOR.
------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- (c) 42 AMP WITH HEATER, 10 SI (22 AMP AT IDLE)
(d) 66 AMP WITH HEATER AND HEATER BACKLIGHT, 12 SI (24 AMP AT IDLE)
(e) 78 AMP WITH AIR CONDITIONING, 12 SI (30 AMP AT IDLE)
(f) 94 AMP, 12 SI (30 AMP AT IDLE)
(g) 97 AMP, 15 SI (47 AMP AT IDLE)

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Engine Description/Carb.
Engine Code

5.0L V8 (305 CID) 4BBL CARBURETOR RPO LC4	5.0L V8 (305 CID) 4BBL CARBURETOR RPO L69	5.0L V8 (305 CID) MULTI-PORT FUEL INJECTION RPO LB9
-------------------------------------------------	-------------------------------------------------	-----------------------------------------------------------

Electrical - Supply System

Battery	Make	DELCO REMY FREEDOM II AND III	
	Model, std., (opt.)	75-60	75A-60
	Voltage	12 V	
	Amps at 0°F cold crank	500	630
	Minutes-reserve capacity	90	90
	Amp/hrs. - 20 hr. rate	54	54
	Location	ENGINE COMPARTMENT LEFT FRONT	
Generator or alternator	Type and rating	(a, c)	(f)
	Ratio (alt. crank/rev.)	3.12:1	
	Optional (type & rating)	(d, f)	
Regulator	Type	INTEGRAL W/ALTERNATOR	

Electrical - Starting System

Start, motor	Current drain at 0°F	NOT AVAILABLE
Motor drive	Engagement type	POSITIVE SHIFT SOLENOID
	Pinion engages from (front, rear)	REAR

Electrical - Ignition System

Type	Conventional (std., opt., n.a.)		
	Electronic (std., opt., n.a.)		
	Other (specify)		HIGH ENERGY IGNITION (HEI)
Coil	Make	DELCO REMY	
	Model	INTEGRAL	
	Current	Engine stopped - A	
		Engine idling - A	
Spark plug	Make	AC	
	Model	R44TS	R45TS R42TS
	Thread (mm)	M14 x 1.25	
	Tightening torque [N-m (lb., ft.)]	9-20 (7-15)	
	Gap	1.143 (0.45)	
	Number per cylinder		
Distributor	Make	DELCO REMY	
	Model	1103460	1103598 1103596

Electrical - Suppression

Locations & type	INTERNAL ALTERNATOR CAPACITOR, NON-METALLIC HIGH-TENSION CABLES, RESISTOR SPARK PLUGS, IGNITION COIL BYPASS CAPACITOR, INTERNAL AC BLOWER MOTOR BYPASS CAPACITOR AND A/C COMPRESSION DIODE, WITH RADIO PROVISIONS; HOOD GROUNDING CLIP, ENGINE TO DASH PANEL GROUND STRAP, FUSE BLOCK CAPACITOR, AND ON "HEATER-ONLY" BLOWER MOTORS, A COAX CAPACITOR.
------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- (a) 42 AMP (& C41/C49), 10 SI (22 AMP AT IDLE) (e) 87 AMP (& C60), 15 SI (35 AMP AT IDLE). HEAVY DUTY OPTION.
(c) 78 AMP (& C49/C60), 12 SI (30 AMP AT IDLE) (f) 94 AMP, 12 SI (30 AMP AT IDLE)
(d) 78 AMP (& C41/C49), 12 SI (30 AMP AT IDLE) (g) 108 AMP, 17 SI

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

Body Type

ALL

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		HIGH SOLIDS ACRYLIC ENAMEL OR WATER BASE ACRYLIC ENAMEL *
Hood	Hinge location (front, rear)	REAR
	Type (counterbalance, prop)	SPRING
	Release control (internal, external)	EXTERNAL
Trunk lid	Type (counterbalance, other)	NOT AVAILABLE
	Internal release control (elec., mech., n.a.)	NOT AVAILABLE
Hatch-back lid	Type (counterbalance, other)	COUNTERBALANCE - TELESCOPING GAS STRUT RODS
	Internal release control (elec., mech., n.a.)	OPTION ELECTRIC
Bumper front	Bar material & mass, kg (weight, lbs.)	FASCIA - REINFORCED REACTION INJECTED URETHANE
	Reinforcement material & mass, kg (lbs.)	STEEL 7.55 KG (16.6 LBS.)
Bumper rear	Bar material & mass, kg (weight, lbs.)	FASCIA - REINFORCED REACTION INJECTED URETHANE
	Reinforcement material & mass, kg. (lbs.)	STEEL 6.63 KG (14.6 LBS.)
Vent window control (crank, friction, pivot, power)	Front	NOT AVAILABLE
	Rear	NOT AVAILABLE
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	MOLDED FOAM PAD
	Rear	MOLDED FOAM PAD
	3rd seat	
Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)	Front	MOLDED FOAM PAD
	Rear	MOLDED FOAM PAD
	3rd seat	
Vehicle identification no. location		TOP LEFT HAND OF INSTRUMENT PANEL PAD

*(DEPENDING ON ASSEMBLY PLANT)

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)

Glass

Backlight slope angle (deg.)	H121	71.0
Windshield slope angle (deg.)	H122	62.0
Tumble-Home (deg.)	W122	31.5
Windshield glass exposed surface area [cm ² (in. ²)]	S1	9000 (1395.4)
Side glass exposed surface area [cm ² (in. ²)] - total 2-sides	S2	6520 (1010.8)
Backlight glass exposed surface area [cm ² (in. ²)]	S3	6232 (966.0)
Total glass exposed surface area [cm ² (in. ²)]	S4	21752 (3372.4)
Windshield glass (type)		CURVED-TEMPERED AND LAMINATED PLATE
Side glass (type)		CURVED-TEMPERED PLATE
Backlight glass (type)		CURVED-TEMPERED PLATE

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line FIREBIRD
 Model Year 1985 Issued 9/1/84 Revised (e) _____

Body Type

ALL

Restraint System

Active restraint system	Standard/optional	STANDARD	
	Type and description	FRONT: LAP/SHOULDER BELT COMBINATION	REAR: LAPBELTS
	Location	FRONT: RIGHT/LEFT OUTBOARD	REAR: RIGHT/LEFT
Passive seat belts	Standard/optional	NOT AVAILABLE	
	Power/manual	NOT AVAILABLE	
	2 or 3 point	NOT AVAILABLE	
	Knee bar/lap belt	NOT AVAILABLE	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line FIREBIRD
 Model Year 1985 Issued 9/1/84 Revised (•) _____

Body Type

ALL

Convenience Equipment (standard, optional, n.a.)

Air conditioning (manual, auto. temp control)		CUSTOM (MANUAL) ELECTRONIC CONTROL - OPTIONAL
Clock (digital, analog)		AVAILABLE ONLY W/CERTAIN RADIOS - OPTIONAL
Compass / thermometer		NOT AVAILABLE
Console (floor, overhead)		FULL LENGTH FRONT CONSOLE - STD; OVERHEAD CONSOLE STD SE; OPT OTHERS
Defroster, elec. backlight		ELECTRIC - OPTIONAL
Electronic *	Diagnostic warning (integrated, individual)	OPTIONAL
	Instrument cluster (list instruments)	TACHOMETER, SPEEDOMETER, FUEL, OIL PRESSURE, TEMP, VOLT **
	Keyless entry	NOT AVAILABLE
	Tripfinder (avg. spd., fuel)	STANDARD SE; AVAILABLE BASE & TRANS AM ONLY W/INTERIOR ROOF CONSOLE
	Voice alert (list items)	NOT AVAILABLE
	Other	
Fuel door lock (remote, key, electric)		STANDARD SE; OPTIONAL BASE & TRANS AM
Lamps	Auto head on / off delay, dimming	NOT AVAILABLE
	Cornering	NOT AVAILABLE
	Courtesy (map, reading)	OPTIONAL W/LAMP GROUP
	Door lock, ignition	NOT AVAILABLE
	Engine compartment	NOT AVAILABLE
	Fog	STANDARD TRANS AM; NOT AVAILABLE BASE OR SE
	Glove compartment	NOT AVAILABLE
	Trunk	OPTIONAL ONLY W/LAMP GROUP
	Other	
Mirrors	Day/night (auto. man.)	MANUAL - STANDARD
	L.H. (remote, power, heated)	MANUAL BASE ONLY W/RH MANUAL CONVEX - STANDARD
	R. H. (convex, remote, power, heated)	TRANS AM & SE; MANUAL CONVEX W/LH REMOTE - STANDARD
	Visor vanity (RH / LH, illuminated)	RH - OPTIONAL
Parking brake-auto release (warning light)		
Power equipment	Door locks / deck lid - specify	DOOR/DECK LID LOCK - OPTIONAL; POWER LID LOCK - STANDARD SE
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	LEAR SIEGLER ADJUSTABLE CUSTOM BUCKET - OPTIONAL FRONT RECARO BUCKET SEATS - OPTIONAL 6-WAY, DRIVER - OPTIONAL; RECLINING DRIVER/PASSENGER - STANDARD
	Side windows	OPTIONAL
	Vent windows	NOT AVAILABLE
	Rear window	NOT AVAILABLE
Radio systems	Antenna (location, whip, w/shield, power)	FRONT RIGHT FENDER; AUTOMATIC POWER - OPTIONAL
	AM, FM, stereo, tape, CB	DELCO-CM ETR AM/FM STEREO - STANDARD
	Speaker (number, location) Premium sound	
Roof open air/fixd (flip-up, sliding, "T")		HATCH ROOF W/REMOVABLE GLASS - OPTIONAL
Speed control device		OPTIONAL W/RESUME FEATURE & ACCELERATE FEATURE
Speed warning device (light, buzzer, etc.)		NOT AVAILABLE
Tachometer (rpm)		STANDARD TRANS AM & SE; OPTIONAL BASE
Theft protection-type		LOCK MOUNTED ON STEERING WHEEL

* FULL CAGE PACKAGE (NON-ELECTRONIC) STANDARD ON SE, TRANS AM; OPTIONAL ON FIREBIRD.

** SEAT BELT WARNING, ENGINE WARNING.

MVMA Specifications Form**Passenger Car****METRIC (U.S. Customary)****Car and Body Dimensions** See Key Sheets for definitionsCar Line **FIREBIRD**Model Year **1985**Issued **9/1/84**

Revised (●) _____

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.

SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body TypeSAE
Ref.
No.

2FS87

2FW87

Width

ALL DIMENSIONS mm (in.) UNLESS NOTED

Tread (front)	W101	1541.0 (60.7)
Tread (rear)	W102	1546.0 (61.6)
Vehicle width	W103	1838.0 (72.4)
Body width at Sg RP (front)	W117	1830.0 (72.0)
Vehicle width (front doors open)	W120	3939.0 (155.1)
Vehicle width (rear doors open)	W121	

Length

Wheelbase	L101	2566.0 (101.0)
Vehicle length	L103	4839.0 (190.5) 4871.0 (191.8)
Overhang (front)	L104	1150.0 (45.3) 1182.0 (46.5)
Overhang (rear)	L105	1123.0 (44.2)
Upper structure length	L123	2669.0 (105.1)
Rear wheel C/L "X" coordinate	L127	2138.0 (84.2)+
Cowl point "X" coordinate	L125	108.0 (4.3)+

Height*

Passenger distribution (frt./rear)	PD1,2,3	2 - 0
Trunk/cargo load		
Vehicle height	H101	1263.0 (49.7)
Cowl point to ground	H114	887.0 (34.9)
Deck point to ground	H138	912.0 (35.9)
Rocker panel-front to ground	H112	184.0 (7.2)
Bottom of door closed-front to grd.	H133	250.0 (9.8)
Rocker panel-rear to ground	H111	187.0 (7.4)
Bottom of door closed-rear to grd.	H135	

Ground Clearance*

Front bumper to ground	H102	273.0 (10.8)
Rear bumper to ground	H104	359.0 (14.1)
Bumper to ground (front at curb mass (wt.))	H103	304.0 (12.0)
Bumper to ground (rear at curb mass (wt.))	H105	378.0 (14.9)
Angle of approach (degrees)	H106	15.7°
Angle of departure (degrees)	H107	15.6°
Ramp breakover angle (degrees)	H147	10.7°
Rear axle differential to ground	H153	305.0 (12.0)
Min. running ground clearance	H156	115.0 (9.5)
Location of min. run. grd. clear.		FRONT CROSSMEMBER

+ REAR OF BASE GRID.

* All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form Passenger Car

METRIC (U.S. Customary)
Car and Body Dimensions

See Key Sheets for definitions

Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (e) _____

Body Type

SAE
Ref.
No.

2FS87

Front Compartment

Sg RP front, "X" coordinate	L31	1050.0 (41.3)
Effective head room	H61	940.0 (37.0)
Max. eff. leg room (accelerator)	L34	1092.0 (43.0)
Sg RP (front to heel)	H30	181.0 (7.1)
Design H-point front travel	L17	192.0 (7.6)
Shoulder room	W3	1460.0 (57.5)
Hip room	W5	1430.0 (56.3)
Upper body opening to ground	H50	1164.0 (45.8)
Steering wheel angle	H18	18.0°
Back angle	L40	26.5°

Rear Compartment

Sg RP Point couple distance	L50	668.0 (26.3)
Effective head room	H63	905.0 (35.6)
Min. effective leg room	L51	756.0 (29.8)
Sg RP (second to heel)	H31	183.0 (7.2)
Knee clearance	L48	-15.0 (-0.6)
Compartment room	L3	582.0 (22.9)
Shoulder room	W4	1430.0 (56.3)
Hip room	W6	1087.0 (42.8)
Upper body opening to ground	H51	
Back angle	L41	28.0°

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	
Liftover height	H195	

Interior Volumes (EPA Classification)

Vehicle class		
Interior volume index (cu. ft.)		
Trunk/cargo index (cu. ft.)		

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line FIREBIRD

Model Year 1985

Issued

9/1/84

Revised (e)

Body Type

SAE
Ref.
No.

2FS87

Station Wagon - Third Seat

Shoulder room	W85	NOT APPLICABLE
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	
Back angle	L88	

Station Wagon - Cargo Space

Cargo length (open front)	L200	NOT APPLICABLE
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m ³ (ft. ³)]	V2	
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume, index-rear of 2-seat	V10	

Hatchback - Cargo Space

Front seat back to load floor height	H197	355.0 (14.0)
Cargo length at front seat back height	L208	895.0 (35.2)
Cargo length at floor (front)	L209	1556.0 (61.3)
Cargo volume index [m ³ (ft. ³)]	V3	879.0 (31.0) REAR SEAT DOWN; 328.5 (11.6) REAR SEAT UP
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume index-rear of 2-seat	V11	

Aerodynamics*

Wheel lip to ground, front		NOT AVAILABLE
Wheel lip to ground, rear		
Frontal area [m ² (ft. ²)]		
Drag coefficient (Cd)		

* Describe measurement method.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line FIREBIRD
 Model Year 1985 Issued 9/1/84 Revised (•) _____

Body Type

2FS87

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front	(1)	X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE - FRONT, MEASURED HORIZONTALLY FROM THE BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.
		Y - FIDUCIAL MARK TO CENTER LINE OF CAR - FRONT, WIDTH MEASUREMENT MADE FROM CENTER LINE OF CAR TO FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.
	(2)	Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE - FRONT, MEASURED VERTICALLY FROM BASE GRID LINE TO FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.
	(1)	X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE - REAR, MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON THE RIGHT HAND RAIL (COMPARTMENT PAN - LONGITUDINAL).
Rear		Y - FIDUCIAL MARK TO CENTER LINE OF CAR - REAR, WIDTH MEASUREMENT MADE FROM CENTER LINE OF CAR TO FIDUCIAL MARK LOCATED ON THE RIGHT HAND RAIL (COMPARTMENT PAN - LONGITUDINAL).
	(2)	Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE - REAR, MEASURED VERTICALLY FROM BODY BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON THE RIGHT HAND RAIL (COMPARTMENT PAN - LONGITUDINAL).
Fiducial Mark Number		
Front	W21	540.0 (21.3)
	L54	688.0 (27.1) REAR OF BASE GRID (1)
	H81	-32.0 (-1.3) BELOW BASE GRID (2)
	H161	293.0 (11.5)
	H163	267.0 (10.5)
Rear	W22	548.0 (21.6)
	L55	2815.0 (110.8) REAR OF BASE GRID (1)
	H82	96.0 (3.8) ABOVE BASE GRID (2)
	H162	421.0 (16.6)
	H164	402.0 (15.8)
		(1) BASE GRID IS 2000 mm LINE. (2) BASE GRID IS 500 mm LINE.

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973.
 All linear dimensions are in millimeters (inches).

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 Model Year 1985 Issued 9/1/84 Revised (•) _____

Body Type

SAE Ref. No.	ALL
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Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	692.0 (27.2)
		Lowest	
	Taillamp (H128)	Highest**	759.0 (29.9)
		Lowest	
	Sidemarker	Front	524.0 (20.6)
		Rear	558.0 (22.0)
Distance from C.L. of car to center of bulb	Headlamp	Inside	
		Outside**	622.0 (24.5)
	Taillamp	Inside	404.0 (15.9)
		Outside**	543.0 (21.4)
	Directional	Front	369.0 (14.5)
		Rear	543.0 (21.4)
	Headlamp shape		

* Measured at curb mass (weight).
 ** If single lamps are used enter here.

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* Reference – SAE J1100a. Motor vehicle dimensions, curb weight definition.
 ** Shipping mass (weight) definition –

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Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (•) _____

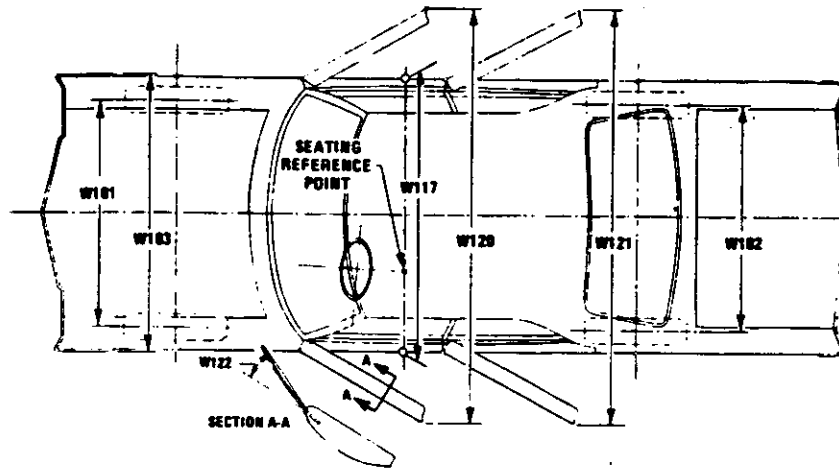
		Optional Equipment Differential Mass (weight)*			
Equipment		MASS, kg. (weight, lb.)			Remarks
		Front	Rear	Total	
POWER SEAT	AC3	2.30	2.90	5.20	
		(5.10)	(6.40)	(11.50)	
POWER WINDOWS	A31	1.10	1.10	2.20	
		(2.40)	(2.40)	(4.60)	
LUXURY INTERIO	B20	0.50	0.70	1.20	
		(1.10)	(1.50)	(2.60)	
DELUXE INTERIOR	B57	0.80	0.70	1.50	
		(1.80)	(1.50)	(3.30)	
HATCH ROOF	CC1	6.40	9.40	15.80	IGNITION LOCKS
		(14.10)	(20.70)	(34.80)	
REAR WINDOW WIPER	C25	-0.80	3.30	2.50	
		(-1.80)	(7.30)	(5.50)	
AIR CONDITIONING	C60	24.20	1.10	25.30	
		(53.40)	(2.40)	(57.80)	
AIR CONDITIONING/ ELECTRONIC	C67	24.50	1.30	25.80	
		(54.00)	(2.90)	(56.90)	
LOUVER - SUNSHIELD	DE1	-0.60	6.90	6.30	
		(-1.30)	(15.20)	(13.90)	
SPOILER - DECK LID	D80	-1.40	6.00	4.60	FS87/FX87 ONLY
		(-3.10)	(13.20)	(10.10)	
SPOILER - AERO WING	D81	-1.20	7.10	5.90	FW87 ONLY
		(2.60)	(15.60)	(13.00)	
R & H SUSPENSION	F41	2.10	4.50	6.60	
		(4.60)	(9.90)	(14.50)	
DIFF-LIMITED SLIP	G80	0.00	1.40	1.40	REQUIRES N65
		(0.00)	(3.10)	(3.10)	
4-WHEEL DISC BRAKES	J65	0.00	7.00	7.00	
		(0.00)	(15.40)	(15.40)	
AUTO THROTTLE CONTROL	K34	1.20	0.10	1.30	
		(2.60)	(0.20)	(2.80)	
ENG: 2.8I V6 MPFI	LB8	27.90	1.40	29.30	STANDARD ON FX87
		(61.50)	(3.10)	(64.60)	
ENG: 5.0L V8 MPFI	LB9	118.80	7.10	125.90	
		(261.90)	(15.70)	(277.60)	
ENG: 5.0L V8 4BBL	LG4	114.60	6.10	120.70	STD on T/A
		(252.60)	(13.40)	(266.10)	
ENG: 5.0L V8 H.O.	L69	118.20	6.20	124.40	
		(260.60)	(13.60)	(274.20)	
TRANSMISSION: AUTO	MD8	22.10	7.40	29.50	
		(48.70)	(16.30)	(65.00)	
TRANSMISSION: 5-SPEED	ML3	3.80	1.30	5.10	
		(8.40)	(2.80)	(11.20)	
ALUMINUM WHEELS (15x7)	N24	3.10	3.10	6.20	
		(6.80)	(6.80)	(13.60)	
STEERING COLUMN: TILT	N33	0.70	0.50	1.20	MANUAL TRANSMISSION
		(1.50)	(1.10)	(2.60)	
		0.50	0.40	0.90	AUTOMATIC TRANSMISSION
		(1.10)	(0.90)	(2.00)	

*Also see Engine - General Section for dressed engine mass (weight).

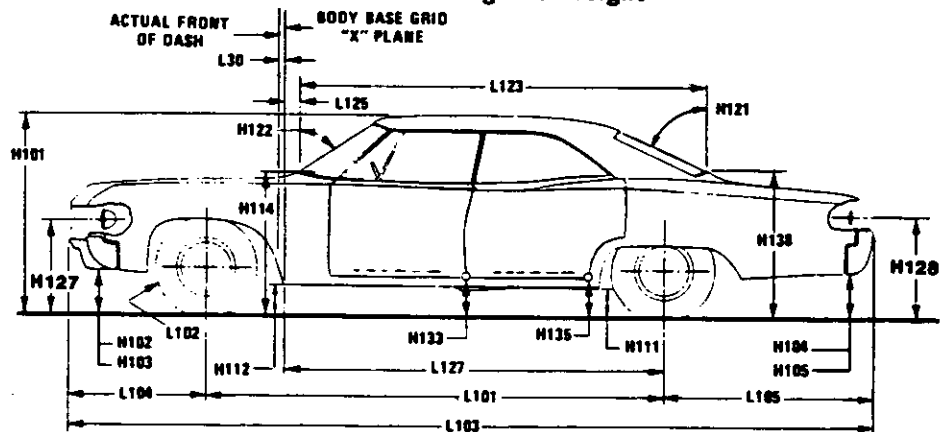
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

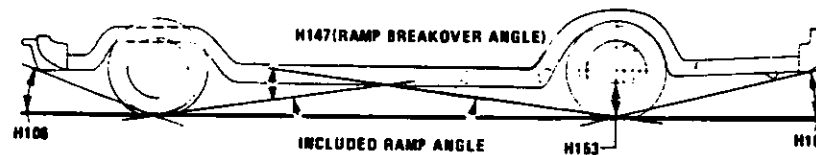
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



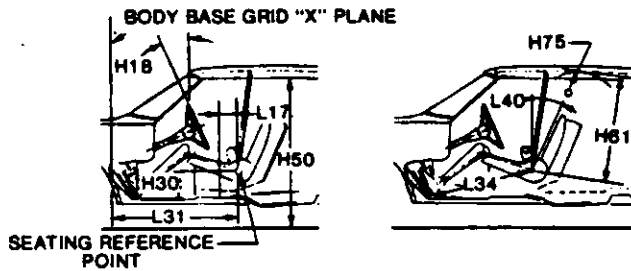
MVMA Specifications Form

Passenger Car

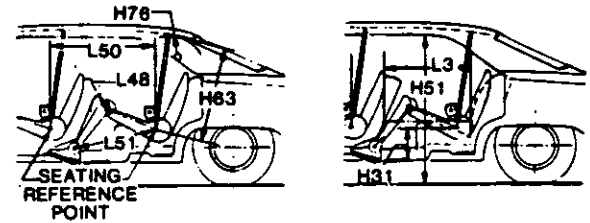
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

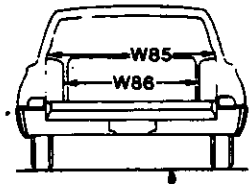
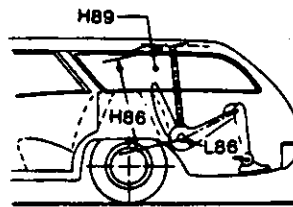
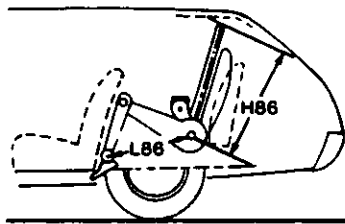
Front Compartment



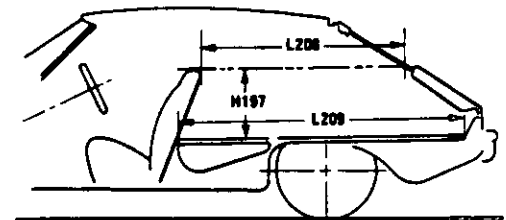
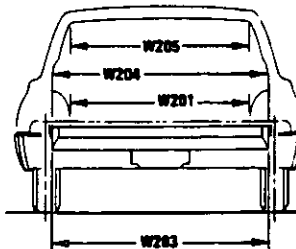
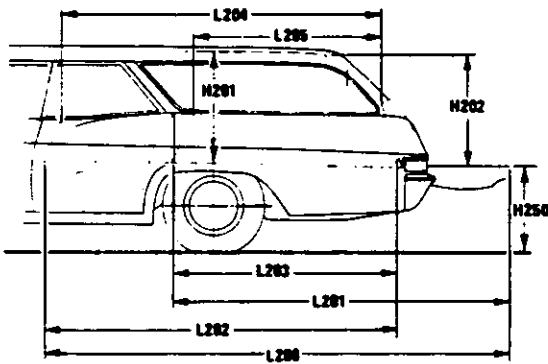
Rear Compartment



Third Seat



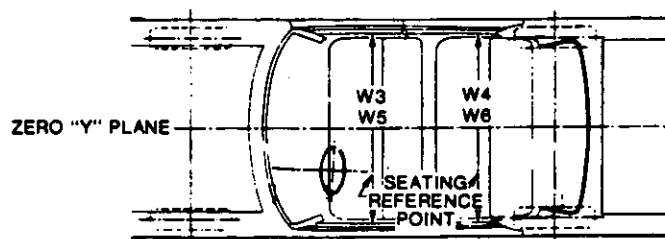
Cargo Space



Hatchback

Station Wagon

Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

- W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP—FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH—FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH—REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open positions. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L102 TIRE SIZE. As specified by the manufacturer.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L105 OVERHANG—REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case

of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H112 ROCKER PANEL—FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H111 ROCKER PANEL—REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.

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Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

- H106** ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107** ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147** REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153** REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156** MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

- PD1** PASSENGER DISTRIBUTION-FRONT.
- L31** SgRP-FRONT "X" COORDINATED.
- H61** EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in.).
- H75** EFFECTIVE T-POINT HEAD ROOM-FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).
- L34** MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP-front plus 254 mm (10.0 in.) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
- H30** SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.
- L17** DESIGN H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point-front in the foremost and rearmost seat trace positions.
- W3** SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front within the belt line and 254 mm (10.0 in.) above the SgRP-front.
- W5** HIP ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft the SgRP-front.
- H50** UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
- H18** STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
- BACK ANGLE-FRONT.** The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- L40** BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

- PD2** PASSENGER DISTRIBUTION-SECOND.
- L50** SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.

- H63** EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H76** EFFECTIVE T-POINT HEAD ROOM-SECOND. Measured in the same manner as H75.
- L51** MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in.).
- H31** SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
- L48** KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
- L3** COMPARTMENT ROOM-SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
- W4** SHOULDER ROOM-SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP-second within 254-406 mm (10.0-16.0 in.) above the SgRP-second.
- W6** HIP ROOM-SECOND. Measured in the same manner as W5.
- H51** UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
- L-41** Same as L-40.

Luggage Compartment Dimensions

- V1** USABLE LUGGAGE CAPACITY-Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.
- H195** LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The interior volume index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity. The interior volume index is an estimate of the size of the passenger compartment.

The Trunk/Cargo Index is an estimate of the size of the trunk/cargo space. In station wagons and hatchbacks, it is an estimate of the space behind the second seat.

Station Wagon - Third Seat Dimensions

- PD3** PASSENGER DIRECTION-THIRD.
- W85** SHOULDER ROOM-THIRD. Measured in the same manner as W5.
- W86** HIP ROOM-THIRD. Measured in the same manner as W5.
- L86** EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in.).
- H86** EFFECTIVE HEAD ROOM-THIRD. The dimension, measured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H89** EFFECTIVE T-POINT HEAD ROOM-THIRD. Measured in the same manner as H75.
- L-88** Same as L-40.

Station Wagon - Cargo Space Dimensions

- L200** CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front

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Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

Station wagon - Cargo Space Dimensions (con't.)

- seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201 CARGO LENGTH-OPEN-SECOND.** The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L202 CARGO LENGTH-CLOSED-FRONT.** The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH-CLOSED-SECOND.** The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT-FRONT.** The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT-SECOND.** The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201 CARGO WIDTH-WHEELHOUSE.** The minimum dimension measured laterally between the trimmed wheelhouseings at floor level. For any vehicle not trimmed, measure the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR.** The minimum dimension measured laterally between the limiting interferences of the rear door opening at floor level.
- W204 REAR OPENING WIDTH AT BELT.** The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT.** The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- H201 CARGO HEIGHT.** The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.
- H202 REAR OPENING HEIGHT.** The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND (CURB MASS WT.).** The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- V2 STATION WAGON**
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$
 Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3 \text{ (cubic meter)}$$
- V4 HIDDEN CARGO VOLUME.** As specified by the manufacturer.

V10 STATION WAGON (REAR OF SECOND SEAT)

Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L205}{10^9} = \text{liters}$$

Hatchback - Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electrically adjusted seats, see the manufacturer's specifications for Design "H" Point).

- H197 FRONT SEATBACK TO LOAD HEIGHT.** The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.
- H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT:** The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.
- L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT.** The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L209 CARGO LENGTH AT FLOOR-FRONT-HATCHBACK.** The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT-HATCHBACK.** The horizontal dimension from the "X" plane tangent to rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.
- L211 CARGO LENGTH AT FLOOR-HATCHBACK-SECOND.** The horizontal dimension at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.
- V3 HATCHBACK.**

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

V11 HATCHBACK (REAR OF SECOND SEAT)

Measured in inches:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{W4 \times H198 \times \frac{L210 + L211}{2}}{10^9} = \text{liters}$$

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

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Car Line FIREBIRD
Model Year 1985 Issued 9/1/84 Revised (●) _____

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features;
indicate if new or model year introduced)

BODY:

REDESIGNED INSTRUMENT PANEL AND CONSOLE WITH "SOFTER" LINES.
REVISED AERO PACKAGE STANDARD WITH TRANS AM. NEW "SMOOTH" CONTOUR TAIL LAMPS ON SE AND TRANS AM. NEW HOODS FOR TRANS AM AND SE, WITH LOUVER ON BOTH AND AIR EXTRACTORS ON TRANS AM.
ROOF CONSOLE ADDED, STANDARD ON SE (NEW).
SE SEAT REDESIGNED FOR IMPROVED LUMBAR SUPPORT.
REVISED (LOCKING LATCHES) FOR OPTIONAL ROOF HATCHES.

CHASSIS:

16" WHEELS WITH P245/50VR16 TIRES.
NEW P235/60VR15 TIRES WITH HIGH OUTPUT V-8 ENGINES (NEW).
14" AND 15" DIAMOND SPOKE WHEELS (NEW).
LEATHER-WRAPPED STEERING WHEEL, WITH THUMB NOTCHES ADDED.
NEW LIMITED SLIP DIFFERENTIAL.

ENGINE:

2.5L L-4 ENGINE ADDS ROLLER VALVE LIFTERS.
2.8L V-6 ENGINE WITH MULTI-PORT FUEL INJECTION (NEW).
5.0L V-8 ENGINE WITH MULTI-PORT FUEL INJECTION (NEW).

ELECTRICAL:

ELECTRONIC INSTRUMENT PANEL DISPLAY OPTIONAL; DRIVER INFORMATION CENTER ALSO OPTIONAL WITH ELECTRONIC INSTRUMENT PANEL ONLY (NEW).
ALL ELECTRONIC "TOUCH CONTROL" RADIO OPTION (NEW).
SUB-WOOFER SOUND SYSTEM.

OTHER:

REAR DECK SPOILER STANDARD ON TRANS AM; NEW AERO WING SPOILER OPTIONAL ON TRANS AM ONLY.